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WHAT IS CLAIMED IS:

1. An information recording/reproducing apparatus for recording and playback video information, comprising:

means for assembling video packs, using the input source;

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means for assembling a video object unit, using the video packs; and

means for coordinating the content of the copy control information with the content of the video scrambling control information when the video object unit is assembled.

2. The apparatus according to claim 1, wherein an information processing data format defines an audio pack having a packet, including a packet header having audio scrambling control information, and including audio data; and

said coordinating means coordinates the content of the video scrambling control information of the video packs with the content of the audio scrambling control information of the audio pack.

3. The apparatus according to claim 2, wherein said information processing data format defined an sub picture pack having a packet including a packet header having sub picture scrambling control information and including sub picture data; and

said coordinating means coordinates the content of

49 the video scrambling control information of the video packs with the content of the sub picture scrambling control information of the sub picture pack. The apparatus according to claim 3, wherein 5 said coordinating means determines the contents of said copy control information in a unit control pack, using the contents of the video scrambling control information contained in the pack header of a video pack when the video pack is input as input source. 10 The apparatus according to claim 3, wherein said video scrambling control information, said audio scrambling control information and said sub picture scrambling control information are copy authorizing information or copy prohibiting 15 information. The apparatus according to claim 1, wherein said coordinating means detects copy-related information contained in said input source and determines the contents of said copy control information in a unit control pack on the basis of the 20 contents of the detected copy-related information. The apparatus according to claim 6, wherein said coordinating means rearranges the contents of said copy control information and those of said video 25 scrambling control information so as to authorize copying when the contents of the detected copy-related information authorizes copying but prohibit copying

when the contents of the detected copy-related information authorizes copying only once or prohibits copying.

8. The apparatus according to claim 1, wherein an information processing data format defines a video object formed by assembling video object units and the attribute information on the attributes of a video object so as to make the attribute information containing copy-related information for the video object; and

said coordinating means has:

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means for making a majority decision by determining if the copy control information contained in each of the plurality of unit control packs in a video object authorizes or prohibits copying; and

means for determining the contents of the copy control information for the video object on the basis of the majority decision.

9. The apparatus according to claim 1, wherein an information processing format further defines a video object formed by assembling video object units and the attribute information on the attributes of a video object so as to make the attribute information containing copy-related information for the video object; and

said coordinating means has:
means for detecting if the copy control

51 information contained in each of the plurality of unit control packs in a video object authorizes or prohibits copying; and means for determining the contents of the copyrelated information for the video object so as to 5 prohibit copying if copy control information prohibiting copying is detected. The apparatus according to claim 9, wherein said information processing data format further defines a file formed by assembling a plurality of 10 video objects and the attribute information on the attributes of a file so as to make the attribute information containing copy-related information for the file; and when a file contains an object, said coordinating 15 means provides copy-related information for the file with contents the same as those of the copy-related information for the file containing said object. The apparatus according to claim 9, wherein said information processing data format further 20 defines a file formed by assembling a plurality of video objects and the attribute information on the attributes of a file so as to make the attribute information containing copy-related information for the 25 file; and when a file contains a plurality of objects and the contents of the copy-related information for any of

52 said plurality of objects authorize copying, said control means provides copy-related information for the file with contents also authorizing copying. The apparatus according to claim 2, wherein said coordinating means includes means for 5 scrambling video data and audio data on the basis of said video scrambling information and said audio scrambling information. The apparatus according to claim 1, wherein an information processing data format further 10 defines a video object formed by assembling video object units; and said apparatus further comprises means for recording video objects on a hard disk or an optical disk. 15 A method for coordinating copy control information processed by an information recording/ reproducing apparatus for recording and playback video information, comprising steps of: assembling video packs, using the input source; 20 assembling a video object unit, using the video packs; coordinating the content of the copy control information with the content of the video scrambling 25 control information when the video object unit is assembled. 15. The method according to claim 14, wherein

an information processing data format defines an audio pack having a packet including a packet header having audio scrambling control information and including audio data;

said coordinating step including step of:

coordinating the content of the video scrambling

control information of the video packs and the content of the audio scrambling control information of the audio pack in same meaning.

16. The method according to claim 15, wherein said information processing data format defines an sub picture pack having a packet including a packet header having sub picture scrambling control information and including sub picture data;

said coordinating step including step of:

coordinating the content of the video scrambling

control information of the video packs and the content

of the sub picture scrambling control information of

the sub picture pack in same meaning.

17. The method according to claim 16, wherein said coordinating step including step of:
determining the contents of said copy control information in a unit control pack by using the contents of the video scrambling control information contained in the pack header of a video pack when the video pack is input as an input source.

18. The method according to claim 14, wherein

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said coordinating step including steps of:
 detecting the copy-related information contained
in said input source; and

determining the contents of said copy control information in a unit control pack on the basis of the contents of the detected copy-related information.

The method according to claim 18, wherein

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said coordinating step including step of:

rearranging the contents of said copy control

information and those of said video scrambling control

information, so as to authorize copying when the

contents of the detected copy-related information

authorizes copying but prohibits copying when the

contents of the detected copy-related information

authorizes copying only once or prohibits copying.

20. The method according to claim 14, wherein said information processing format further defines a video object formed by assembling video object units and an attribute information on the attributes of a video object so as to make the attribute information containing copy-related information for the video object;

said coordinating step including steps of:

making a majority decision by determining if the
copy control information contained in each of the
plurality of unit control packs in a video object
authorizes or prohibits copying; and

determining the contents of the copy-related information for the video object on the basis of the majority decision.